10/517,090

10/517090

(71) Applicant (for all designated States except US): TOKYO ELECTRON LIMITED [JP/JP]; TBS Broadcast Center, 3-6 Akasaka 5-chome, Minato-ku, Tokyo 107-8481 (JP).

(72) Inventors; and
(75) Inventors/Applicants (for US only): TSATSANIS, Michail [GR/US]; 444 Saratoga Avenue, #C35, Santa Clara, CA 95050 (US). ERICKSON, Mark, A. [US/US]; 214 Linden Avenue, San Bruno, CA 94066 (US). SHAH, Sunil [US/US]; 637 Linden Avenue, Los Altos, CA 94022 (US).
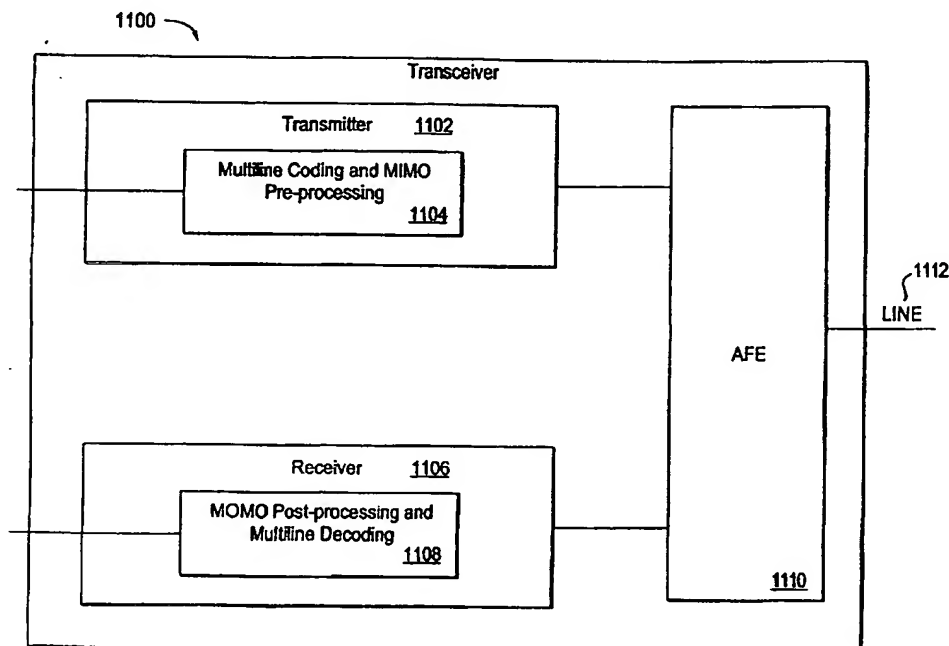
(74) Agent: DUTTA, Sanjeet, K.; Blakely, Sokoloff, Taylor & Zafman LLP, 12400 Wilshire Boulevard, Seventh Floor, Los Angeles, CA 90025 (US).

(54) Title: MULTILINE TRANSMISSION IN COMMUNICATION SYSTEMS

(57) Abstract: A method and system for multiline transmission in communications systems are described. A transmitter (1102) performs MIMO pre-processing (1104) on symbol vectors. A signal vector associated with the symbol vector is transmitted. A receiver (1106) performs MIMO post-processing (1108) on the received signal vectors to minimize the effects of crosstalk on pairs of lines in the multiline communications system.

WO 03/105339 A1